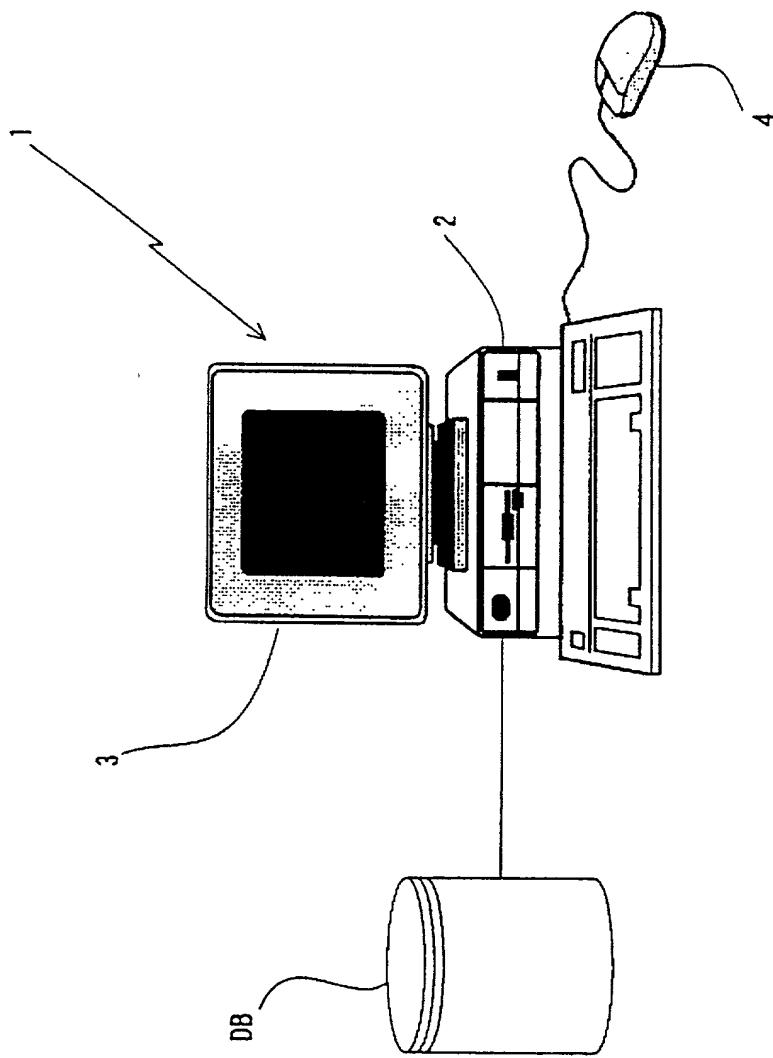


[Document type] Drawing

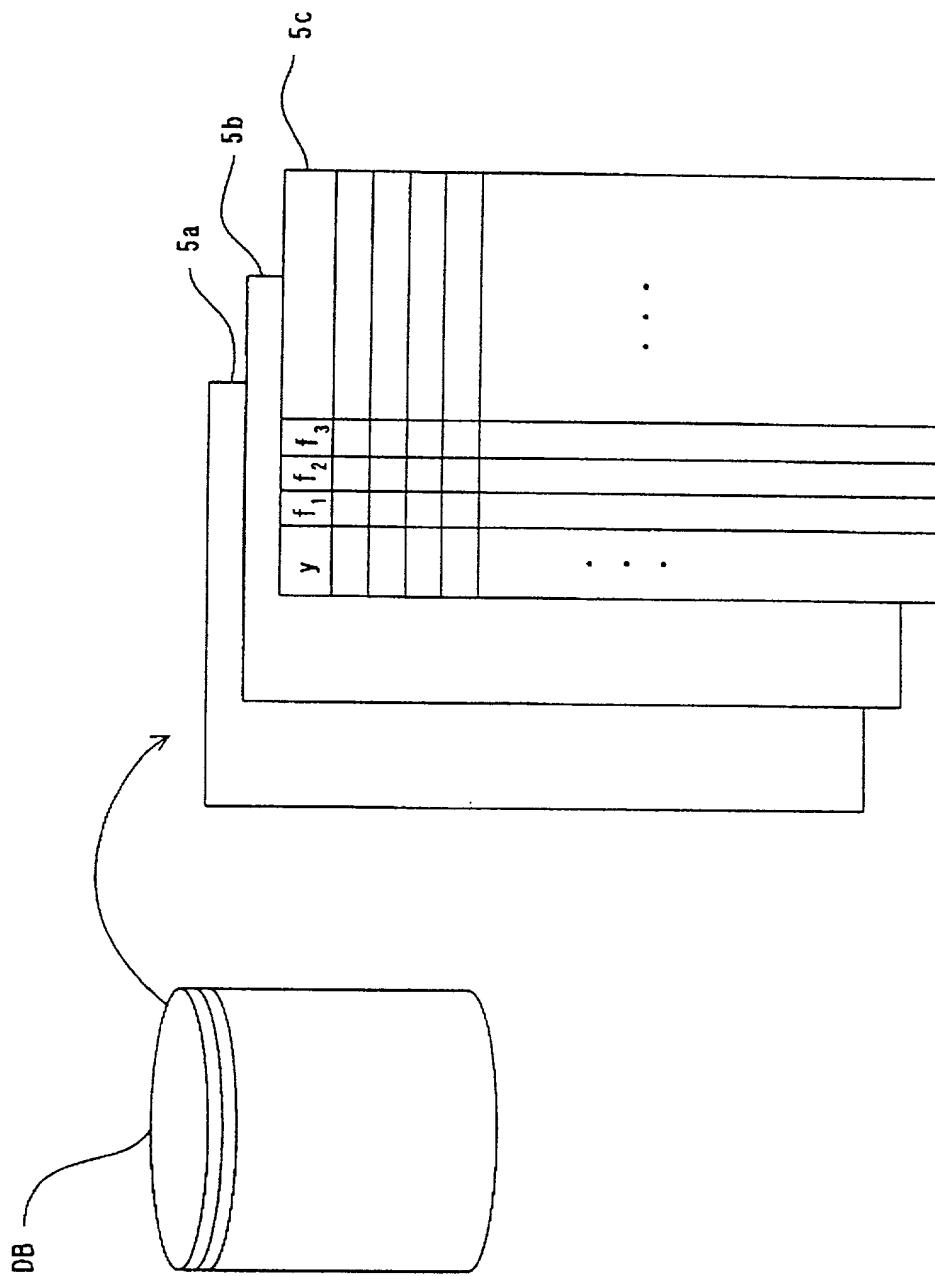
[Figure 1]

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[Figure 2]

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[Figure 3]

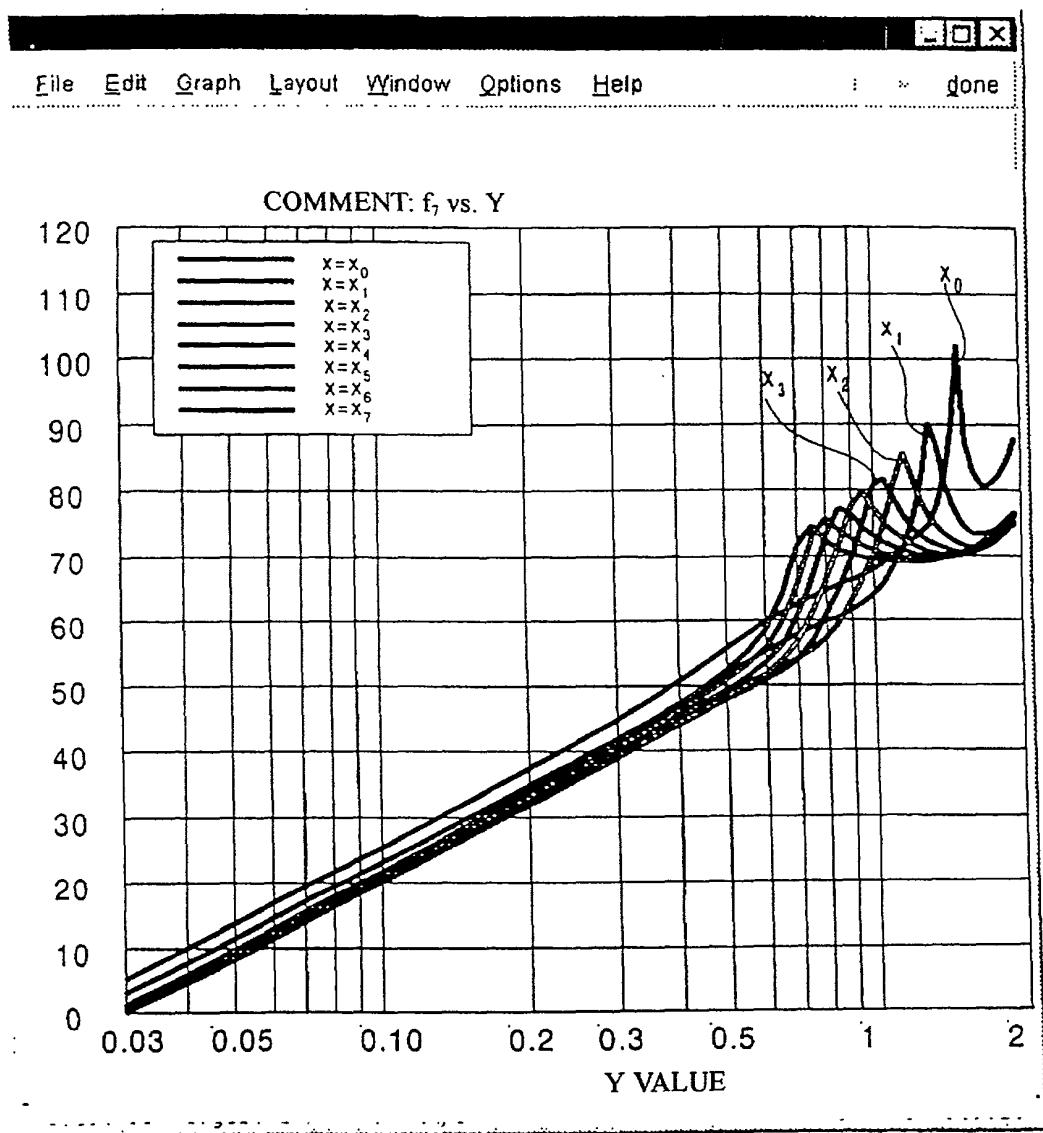
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y	f_1	f_2	f_3	f_4	f_5	f_6
0.03	0	0	0	3	0	5
0.05	0	0	0	12	0	14
0.10	0	10	11	24	0	26
0.15	0	19	18	30	0	33
0.20	7	27	23	35	0	38
0.25	13	32	26	39	0	41
0.30	18	37	29	42	0	45
0.35	23	42	31	45	3	48
0.40	25	45	33	47	6	51
0.45	26	49	35	48	9	53
0.50	26	51	36	50	12	56
0.55	26	54	37	51	14	58
0.60	27	56	38	53	15	60
0.65	28	57	38	54	17	61
0.70	29	59	38	55	18	63
0.75	30	60	38	56	20	64
0.80	31	61	38	57	20	65
0.85	33	61	36	57	21	66
0.90	35	62	32	58	22	66
0.95	37	62	16	59	21	67
1.00	40	63	33	59	21	68
1.05	43	64	41	60	18	69
1.10	46	65	47	60	11	70
1.15	49	67	51	60	13	71
1.20	53	68	55	61	25	73
1.25	56	69	59	61	32	74
1.30	60	71	63	62	38	75
1.35	65	72	68	63	44	78
1.40	70	75	73	67	50	82
1.45	78	81	82	77	59	90
1.50	91	92	95	91	73	102
1.55	77	78	81	79	60	88
1.60	72	75	77	76	57	83
1.65	70	75	75	75	55	81
1.70	68	76	74	75	54	80
1.75	67	77	73	75	54	81
1.80	66	78	73	75	54	82
1.85	66	80	72	76	54	84
1.90	66	82	72	76	54	86
1.95	66	85	72	78	54	88
2.00	66	89	72	80	54	92

5a

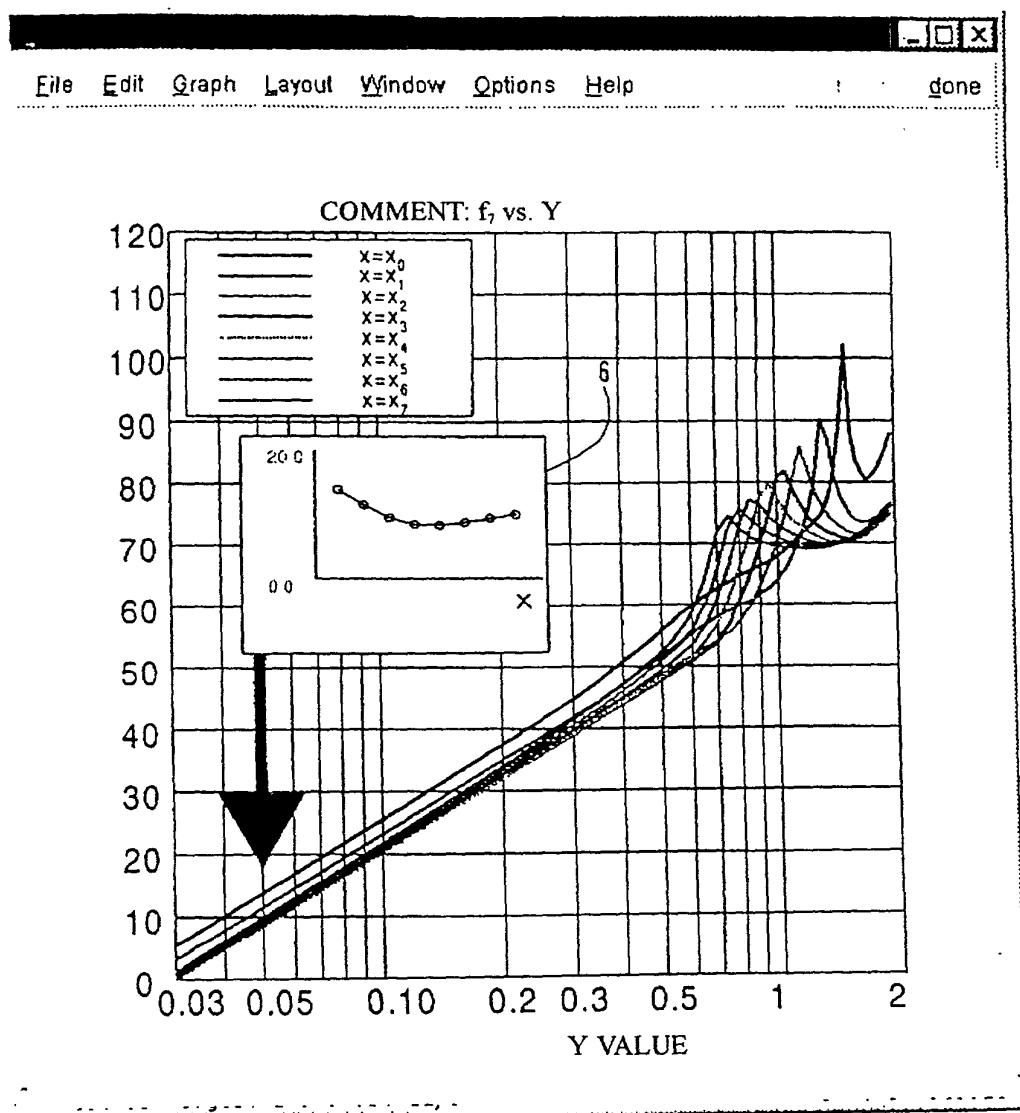
[Figure 4]

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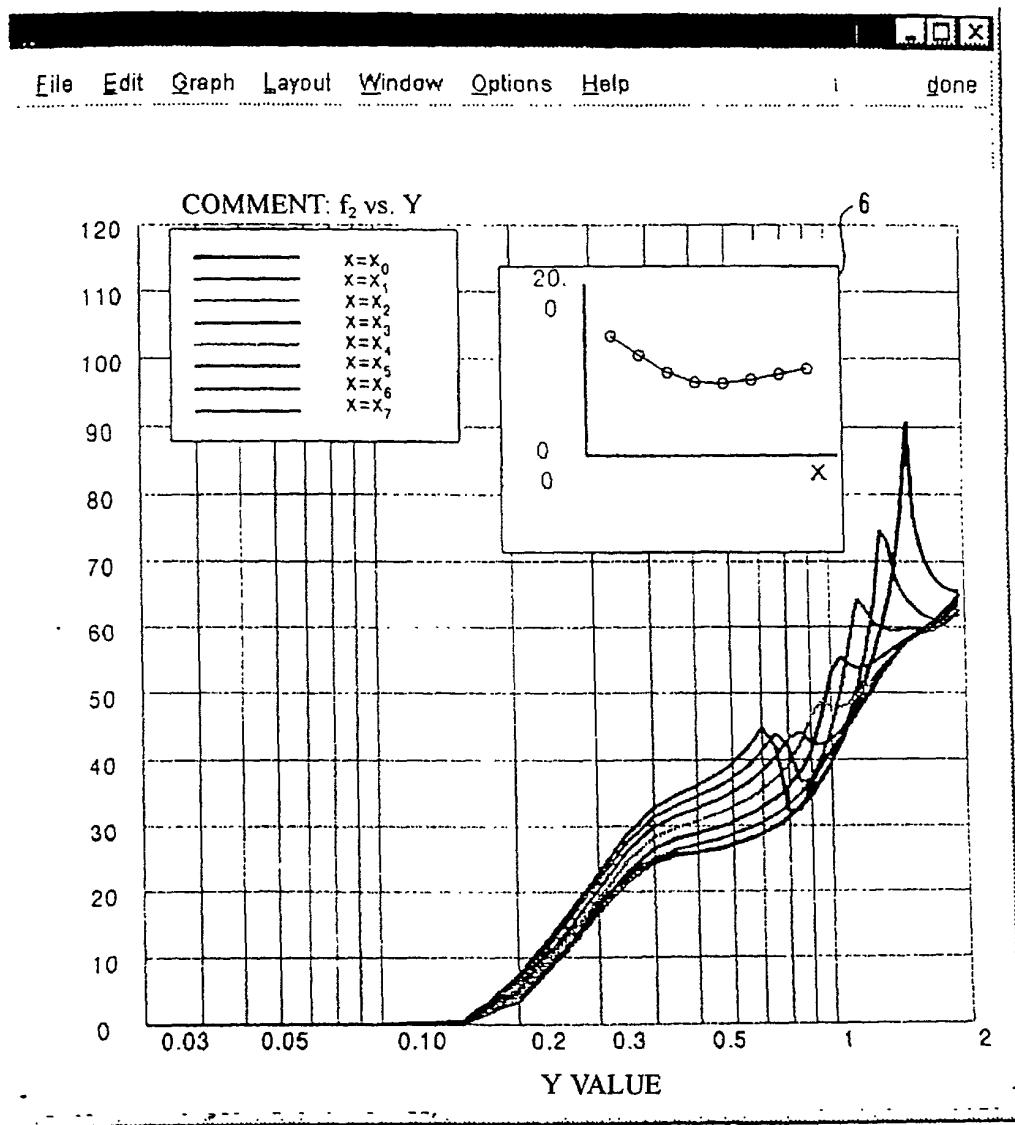
[Figure 5]

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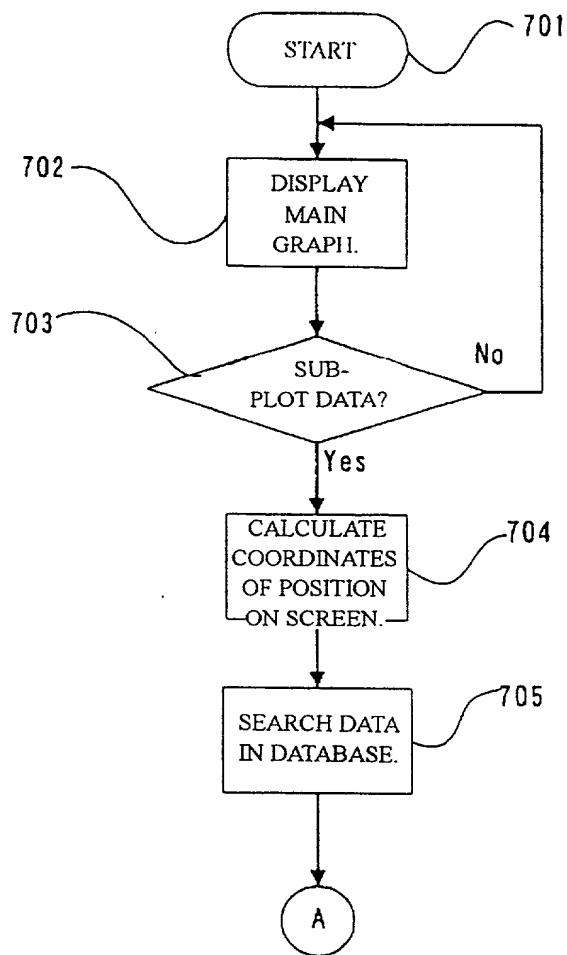
[Figure 6]

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[Figure 7]

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[Figure 8]

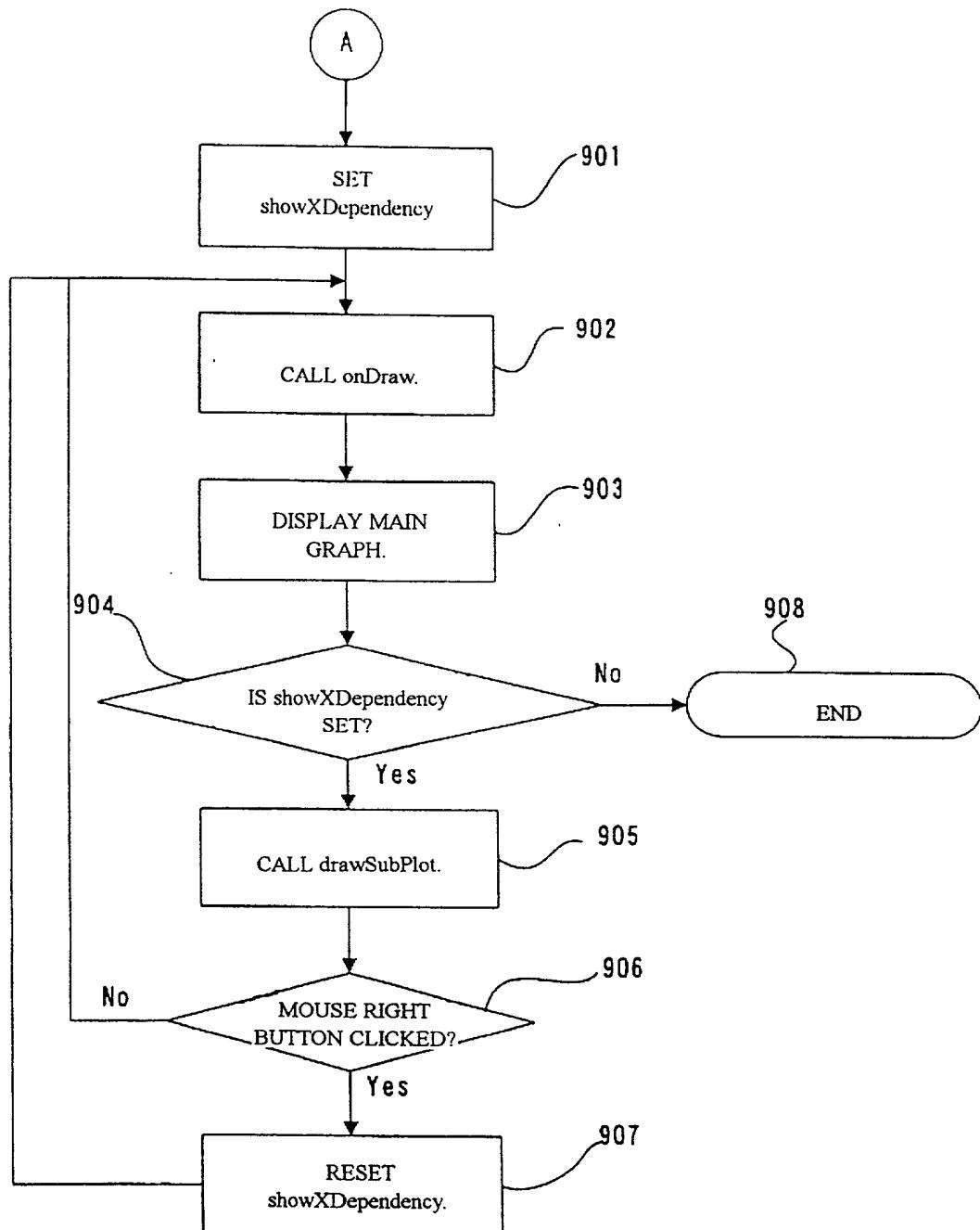
JAG-00-137

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$X[0]$		$X[1]$		$X[2]$	
$x=x_1$		$x=x_2$		$x=x_3$	
y	f_1	f_2	f_3	f_4	f_5
0.03	0	0	0	0	0
0.05	0	0	0	0	0
0.10	0	0	0	0	0
0.15	0	0	0	0	0
0.20	0	0	0	0	0
0.25	0	0	0	0	0
0.30	0	0	0	0	0
0.35	0	0	0	0	0
0.40	0	0	0	0	0
0.45	0	0	0	0	0
0.50	0	0	0	0	0
0.55	0	0	0	0	0
0.60	0	0	0	0	0
0.65	0	0	0	0	0
0.70	0	0	0	0	0
0.75	0	0	0	0	0
0.80	0	0	0	0	0
0.85	0	0	0	0	0
0.90	0	0	0	0	0
0.95	0	0	0	0	0
1.00	0	0	0	0	0
1.05	0	0	0	0	0
1.10	0	0	0	0	0
1.15	0	0	0	0	0
1.20	0	0	0	0	0
1.25	0	0	0	0	0
1.30	0	0	0	0	0
1.35	0	0	0	0	0
1.40	0	0	0	0	0
1.45	0	0	0	0	0
1.50	0	0	0	0	0
1.55	0	0	0	0	0
1.60	0	0	0	0	0
1.65	0	0	0	0	0
1.70	0	0	0	0	0
1.75	0	0	0	0	0
1.80	0	0	0	0	0
1.85	0	0	0	0	0
1.90	0	0	0	0	0
1.95	0	0	0	0	0
2.00	0	0	0	0	0

[Figure 9]

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[Figure 10]

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CMomentView class pseudo code

[Main Routine]

// definition

xData: CMomentDoc data

xIndex: an index denoting a specific CMomentData

selection: specification of one of f_1, f_2, f_3, \dots to be displayed on the main graph

showXDependency: a flag denoting whether to display sub-plotted data

subPlotPosition: a position for displaying sub-plotted data

// Processing

// 1. Obtaining a display screen size

getScreenSize()

// 2. Setting items on the main graph, such as horizontal axis range, vertical axis range, grid, plotting color, plotting line type, font, etc.

setMainGraphAttribute()

// 3. Calculating place and size for drawing a graph

setGraphPositionAndSize()

// 4. Reading xData

getData(xData, xIndex)

// 5. Displaying part of xData selected by "selection" on the main graph

drawMainGraph(xData, xIndex, selection)

// 6. Displaying sub-plotted data

drawSubPlot(xData, xIndex, selection, showXDependency, subPlotPosition);

[Figure 11]

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DETAILS OF SUBROUTINE drawSubPlot()

```

// definition
subPlotYIndex: an index denoting the position of a variable Y to be isolated by sub-
plotting
subPlotY[]: a value of data to be sub-plotted

// 6.1 When displaying sub-plotted data
if(showXDependency) {
    // 6.1.1 Selecting the position of a variable Y to be sub-plotted
    subPlotYIndex=setSubPlotY();
    // 6.1.2
    For example, in order to reference to the data in the variable Y of the
    CMomentData class instance denoted by xIndex, selected in 6.1.1 at
    selection=fi;
    xData -> setIndex(xIndex);
    xData ->X() -> setIndex(subPlotYIndex);
    subplot[xIndex]=xData ->X() -> f1();
    The above processings are repeated for each instance of the CMomentData
    class specified by sub-plottingxIndex.

    // 6.1.3 Setting size and position of sub-plotting
    For example, 1/4 height of the size of the main plotting in the vertical direction
    and size in the horizontal direction in proportion to the number of plotting
    parameters d. The position denotes a position where the mouse button is
    clicked.
    setSubPlotSize();

    // 6.1.4 Setting both maximum and minimum values of the vertical axis of sub-
    plotting
    For example, the values are set to be equal to the maximum and minimum
    values of data which exhibit the maximum and minimum values.
    setSubPlotAttribute();

    // 6.1.5 Drawing sub-plotting
    drawSubPlot()
} // end of if (showXDependency)

```